at1110paper_practice_test (v112)

1. Expand the following expression into standard form.

$$(3x - 7)(3x + 7)$$

2. Expand the following expression into standard form.

$$(7x - 3)(5x + 6)$$

3. Solve the equation.
$$8x^2 + 7x + 8 = 5x^2 - 4x - 2$$

4. Factor the expression.
$$64x^2 - 49$$

5. Factor the expression.
$$x^2 + 6x - 16$$

6. Solve the equation with factoring by grouping.
$$15x^2 - 12x + 10x - 8 \ = \ 0$$

7. Solve the equation.
$$(4x + 9)(2x + 3) \ = \ 0$$

8. Expand the following expression into standard form.
$$(3x + 7)^2$$